

CLAIMS

What is claimed is:

- 1 1. A method for allocating an N number of registers for use in conjunction with
2 modification of a block of programming code, comprising the steps of:
3 identifying a statement allocating registers, the statement being associated with
4 the block of programming code;
5 identifying parameters associated with the statement; and
6 by using the parameters as inputs, generating new parameters for use in the
7 statement to allocate the N number of registers.

- 1 2. The method of claim 1 wherein the parameters and the new parameters each include a
2 parameter identifying a number I of input registers, a parameter identifying a number
3 L of local registers, and a parameter identifying a number O of output parameters.

- 1 3. The method of claim 2 wherein the step of generating new parameters comprises the
2 step of modifying the number O of the parameters to generate the number O of the
3 new parameters.